

ANALYTICA CHIMICA ACTA

An international journal devoted to all branches of analytical chemistry

(Full texts are incorporated in CJESEVIER, a file in the Chemical Journals Online database available on STN International; Abstracted, indexed in: Aluminium Abstracts; Anal. Abstr.; Biol. Abstr.; BIOSIS; Chem. Abstr.; Curr. Contents Phys. Chem. Earth Sci.; Engineered Materials Abstracts; Excerpta Medica; Index Med.; Life Sci.; Mass Spectrom. Bull.; Material Business Alerts; Metals Abstracts; Sci. Citation Index)

VOL. 326 NO.1-3

CONTENTS

JUNE 10, 1996

Flow Analysis

- Sequential injection determination of D-glucose by chemiluminescence using an open tubular immobilised enzyme reactor
X. Liu and E.H. Hansen (Lyngby, Denmark) 1
- A liquid drop: A windowless optical cell and a reactor without walls for flow injection analysis
H. Liu and P.K. Dasgupta (Lubbock, TX, USA) 13
- Photochemical derivatization and spectrophotometric determination of thioridazine by flow injection
G.A. Rivas, A.M. Romero and J.M. Calatayud (Valencia, Spain) 23
- Determination of total phosphorus in waters and wastewaters by on-line UV/thermal induced digestion and flow injection analysis
R.L. Benson, I.D. McKelvie, B.T. Hart, Y.B. Truong (Caulfield East, Victoria, Australia) and I.C. Hamilton (Wallsend, NSW, Australia) 29
- Spectrofluorimetric flow-injection method for the successive determination of chloroxine and chlorquinaldol in pharmaceutical preparations
T. Pérez-Ruiz, C. Martínez-Lozano, V. Tomás and J. Carpena (Murcia, Spain) 41
- A new flow injection single-standard calibration method for flame atomic absorption spectrometry based on dilution by microsample dispersion
Z. Fang, S. Xu and X. Bai (Shenyang, China) 49

Chromatography and Ion Exchange

- Intercomparison of alkyllead compound determination in mussels and water by two analytical techniques:
gas chromatography atomic absorption spectrometry and differential pulse anodic stripping voltammetry
N. Mikac (Zagreb, Croatia), Y. Wang and R.M. Harrison (Birmingham, UK) 57
- Indirect fluorometric detection for non-suppressed ion chromatographic separation of analyte anions using ruthenium(II) complex as ion-interaction reagent
Y.S. Fung and W.M. Tam (Hong Kong) 67
- Comparative prediction of the retention behaviour of small peptides in several reversed-phase high-performance liquid chromatography columns by using partial least squares and multiple linear regression
V. Casal, P.J. Martín-Alvarez and T. Herraiz (Madrid, Spain) 77
- Determination of the speciation of chromium with an automated two-column ion-exchange system
P.A. Sule and J.D. Ingle, Jr. (Corvallis, OR, USA) 85

Catalytic Methods

- Systematic comparison of data-processing options for kinetic-based, single-component determinations of noncatalysts:
Effects of random noise
M.D. Love and H.L. Pardue (West Lafayette, IN, USA) 95
- Development of a carbon composite electrode made from polyethylene and graphite powder modified with copper(I) oxide
T.R.I. Cataldi and D. Centonze (Potenza, Italy) 107

(Continued overleaf)

Fluorimetry

- Direct determination of triamterene in urine by matrix isopotential synchronous fluorescence spectrometry
J.A.M. Pulgarín, A.A. Molina and P.F. López (Ciudad Real, Spain) 117

Mass Spectrometry

- Negative ion liquid secondary ion mass spectrometry and tandem mass spectrometric analysis of the molecular species
of aminophospholipids as 9-fluorenylmethyloxycarbonyl derivatives
S. Chen (Coventry, UK) and K.W. Li (Amsterdam, The Netherlands) 127

Electroanalytical Chemistry and Sensors

- Stripping potentiometric transduction of DNA hybridization processes
J. Wang, X. Cai, G. Rivas and H. Shiraishi (Las Cruces, NM, USA) 141
- Flow-through tyrosinase enzyme reactor based on reticulated vitreous carbon functionalized by an electrochemically
synthesized film
G.E. De Benedetto, F. Palmisano and P.G. Zambonin (Bari, Italy) 149
- Electrochemical characterization of thin-film carbon interdigitated electrode arrays
G.C. Fiaccabrino, X.-M. Tang, N. Skinner, N.F. de Rooij and M. Koudelka-Hep (Neuchâtel, Switzerland) 155
- Switching of ion selectivity of membranes by lipophilic ionic sites
W. Wróblewski and Z. Brzózka (Warsaw, Poland) 163

- Author Index* 169

